

Figure 1

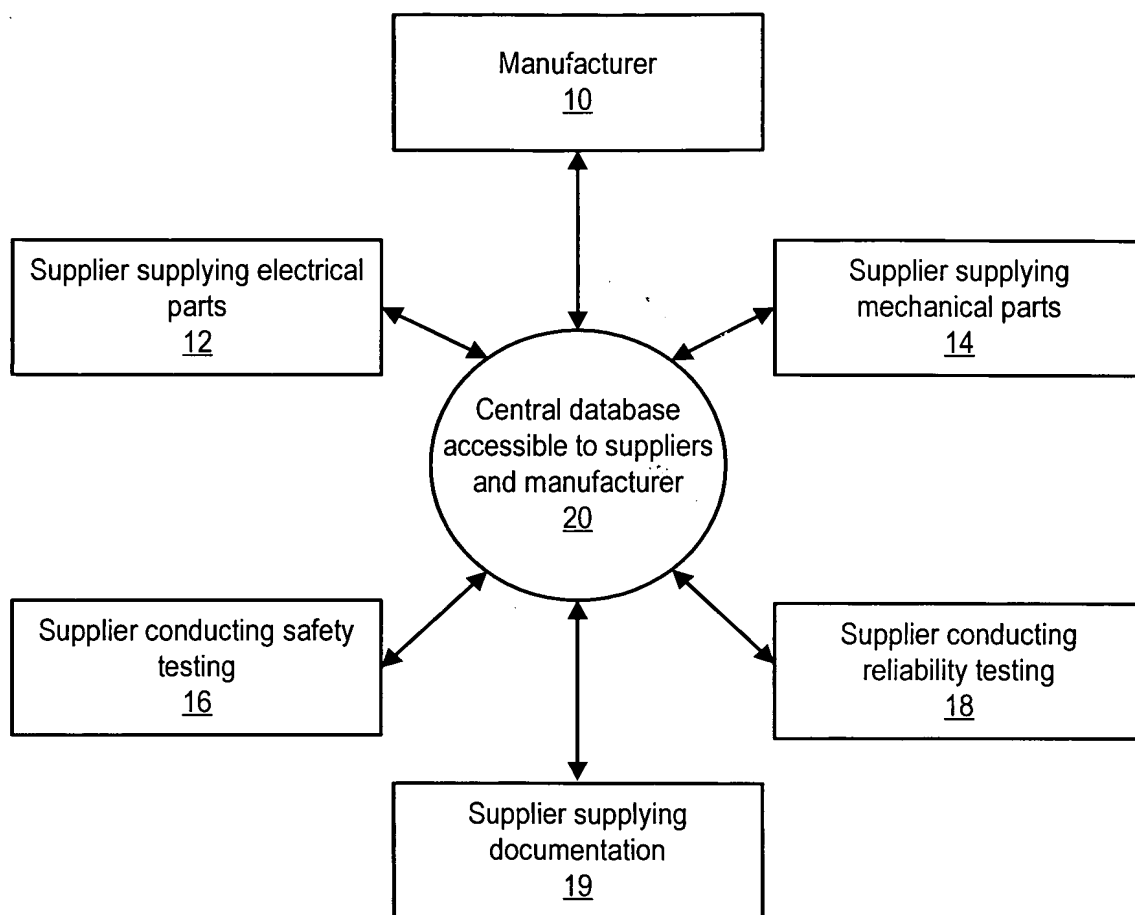


Figure 2

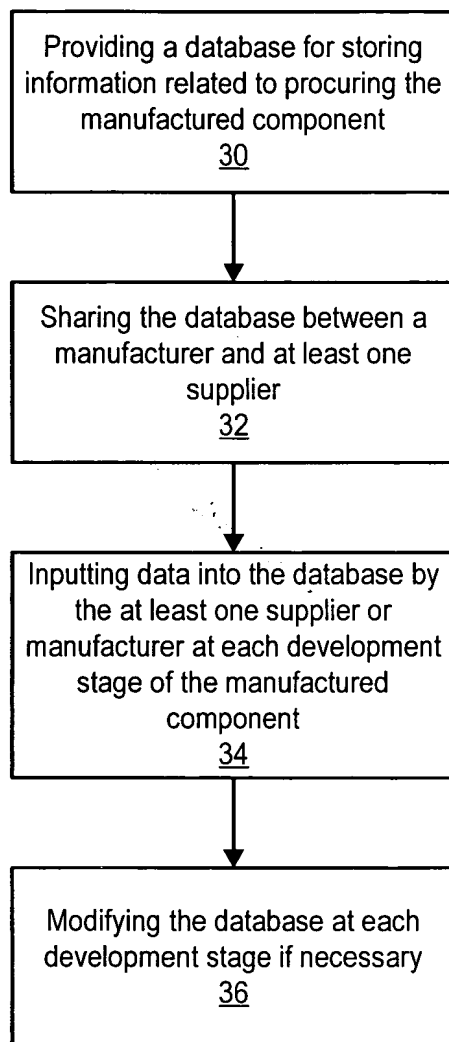
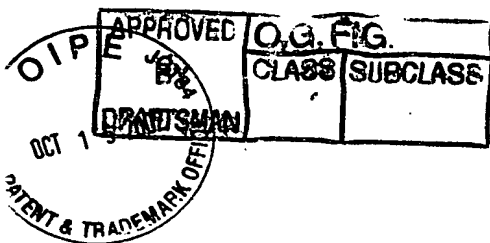
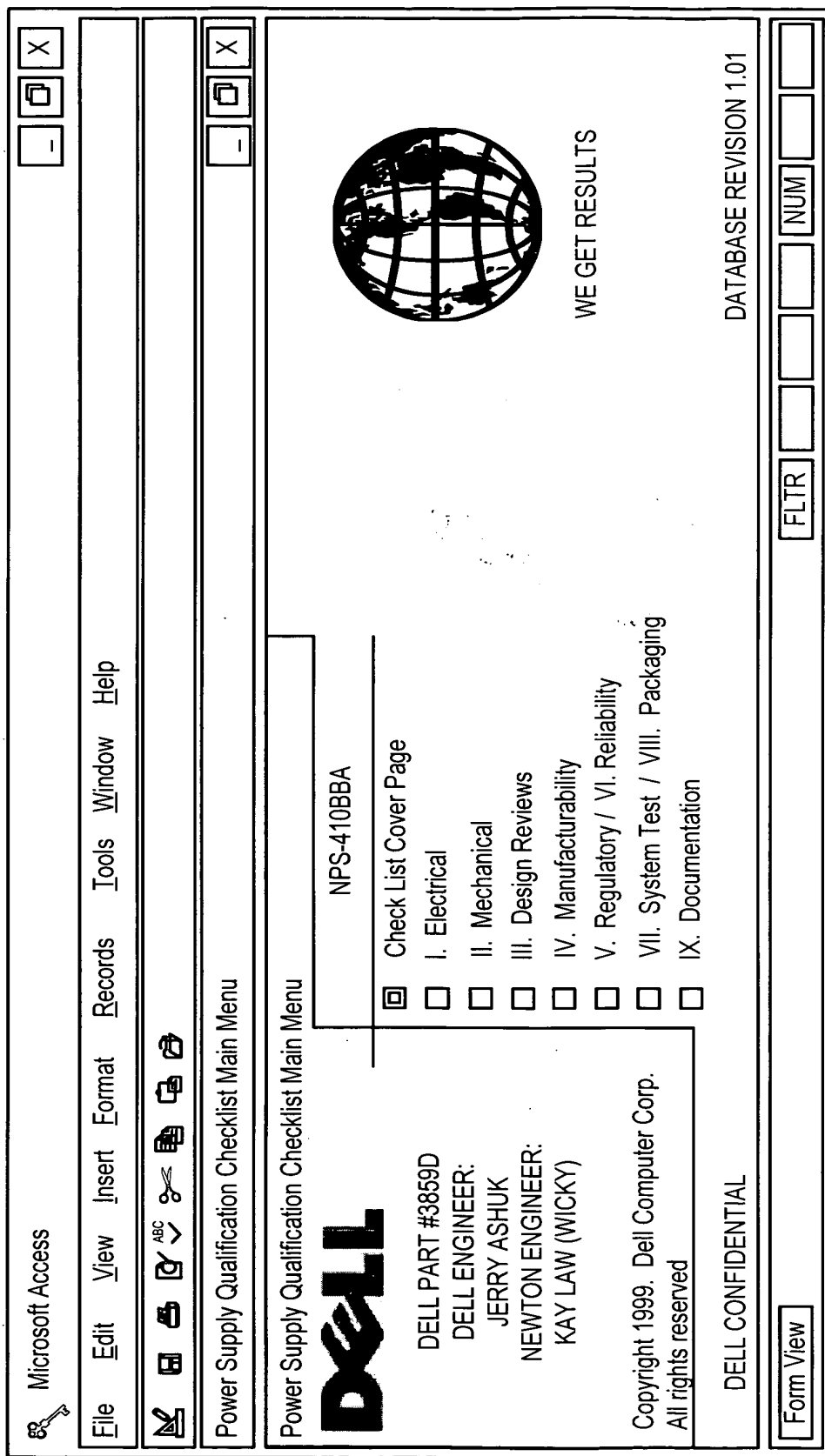


Figure 3



Microsoft Access - PSQ CHECKLIST			
File	Edit	View	Insert Format Records Tools Window Help

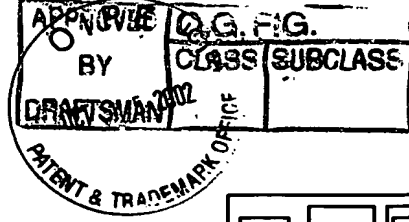
POWER SUPPLY QUALIFICATION CHECKLIST			
Supplier Model: 430	Dell Part Number: 440	PAGE 1	
Target Product(s):	Dell Engineer: 450		
	Supplier Engineer: 460		

ITEM	PROTOTYPE STAGE	DVTSTAGE	DVT3STAGE	PRODUCTION RELEASE
I.	Electrical (RTE & Bench):			
II.	Mechanical:			
III.	Design Reviews:			
IV.	Manufacturability			
V.	Regulatory:			
VI.	Reliability:			
VII.	System Test:			
VIII.	Packaging:			
IX.	Documentation:			

Dell Confidential	Printed	9/30/99	Revision
-------------------	---------	---------	----------

Ready									NUM
-------	--	--	--	--	--	--	--	--	-----

Figure 4B



Microsoft Access

File

Edit

View

Insert

Format

Records

Tools

Window

Help

01.02XXATE

X

Power Supply Qualification Checklist Main Menu

DELL

DELL PART #
DELL ENGINEER:
? ENGINEER:
?
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MODEL #?

☒ Prototype Results

☐ DVT ATE Results


☐ DVT 2 ATE Results

☐ Production Release ATE Report

☐ Sustaining ATE Report

☐ Back One Menu (1. Electrical)

☐ Return to Main Menu



WE GET RESULTS

DELL CONFIDENTIAL

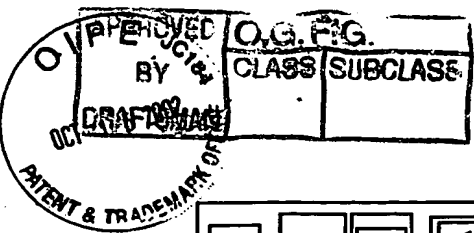
Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 5A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

0.02XXDVT2 Cpk (Results Data)

X

X

X

X

DVT Cpk AND RESULTS DATA

T15VAC 230VAC

1-3. POWER GOOD TURN-ON

4. INBUSH

5. AC LINE CURRENT

7-10. +SVP REG.

12-18. RISE TIME

19. BUYOUT VOLTAGE

T15VAC 230VAC

20-21. EFF. AT FULL LOAD/PPF

22. EFF E-STAR NO. + SVFP

22. EFF. E-STAR W/+SVEP ON/A1

24-29. PEAK NOISE

35-39. ACP

40-41. HOLDUP/PRE-WARNING

Note: Test 6 (PS...On Switch), IT (AC Dropout), 23 (Line Load Reg.) 30-34 (SCP) Do Not Require 6pk Data

Results

1

Ready

NUM

Figure 5B

Microsoft Access 1000.011 Electrical

File Edit View Insert Format Records Tools Window Help

00.01.01 I. Electrical


DELL

DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☒ ATE
☐ Bench Test 1-10
☐ Bench Test 11-17
☐ Bench Test 18-23
☐ Bench Test 24-26
☐ Complete Bench Test
☐ Input Bench Test Data
☐ Return to Main Menu

 WE GET RESULTS

DATABASE REVISION A.01

Form View

FLTR

NUM

Figure 6A

Microsoft Access

File Edit View Insert Format Records Tools Window Help

PRODUCTION BENCH TEST

SUPPLIER PRODUCT BENCH TEST REPORT

Notes:

Double Click to Open

Original File 1	Original File 1	Original File 1
Acrobat Document	Acrobat Document	Acrobat Document
S/Nc-EMB-823 REV. 85	Code Plots	S/Nc-EMB-824 REV. 85

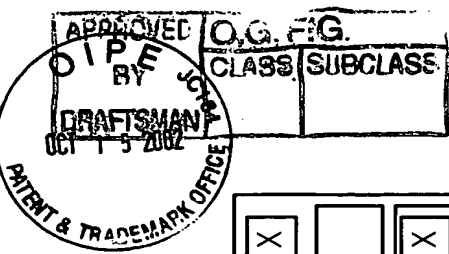
Record

Ready

1

NUM

Figure 6B



Microsoft Access 02.04.01-05 Mechanical

File Edit View Insert Format Records Tools Window Help

02.04.01-05 Mechanical

DELL

DELL PART #
DELL ENGINEER:
? ENGINEER:
?
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MODEL #?

☒ 1. Labels

☐ 2. Dimensional Check (Soft Tool)


☐ 3. Dimensional Check (Hard Tool)

☐ 4. DC Cables

☐ 5. Chassis Fit

☐ Back One Menu (II. Mechanical)

☐ Return to Main Menu



WE GET RESULTS

DATABASE REVISION A.01

Form View

FLTR

NUM

Figure 7A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

DC CABLES

II. MECHANICAL: [DC CABLES]

Notes:

Double Click File to Open

Proto

DVT

DVT2

Production

Sustaining

Acrobat Document

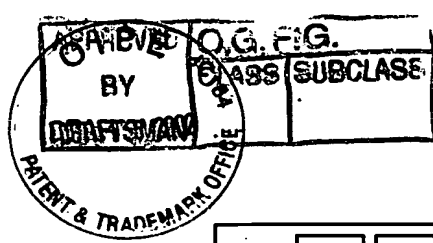
Acrobat Document

Record

Form View

NUM

Figure 7B



Microsoft Access 00.01.03 III. Design Reviews

File Edit View Insert Format Records Tools Window Help

00.01.03 III. Design Reviews


DELL

DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☒ Prototype
☐ DVT
☐ Final
☐
☐
☐
☐
☐ Return to Main Menu



WE GET RESULTS

DELL CONFIDENTIAL

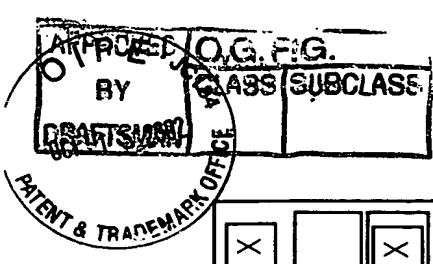
Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 8A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

DVT DESIGN REVIEW

III. FINAL DESIGN REVIEW

Notes: []

Double Click File to Open

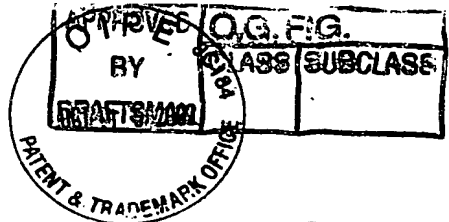
Electrical Mechanical Packaging Tooling

Record

Form View

NUM


Figure 8B



Microsoft Access 00.01.04 IV. Manufacturability

File Edit View Insert Format Records Tools Window Help

00.01.04 IV. Manufacturability




DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☒ Proto
☐ DVT
☐ Evaluation Build
☐ Pilot Build
☐ Production Build
☐ Return to Main Menu



WE GET RESULTS

DATABASE REVISION A.01

Form View

FLTR NUM

Figure 9A

APPROVED BY: DATE:
CLASS: SUBCLASS:
DRAFTSMAN:
PATENT & TRADEMARK OFFICE

Microsoft Access

File Edit View Insert Format Records Tools Window Help

MANUFACTURABILITY

Double Click File to Open

Notes:

DVT STAGE MANUFACTURABILITY

Supplier Review

Acrobat Document

Tooling Plan

Acrobat Document

Review

Dell Review

Changes Req'd

Record

Form View

1

NUM

Figure 9B

Microsoft Access 00.01.05 V. Regulatory

File

Edit

View

Insert

Format

Records

Tools

Window

Help

00.01.05 V. REGULATORY

DELL

DELL PART #
DELL ENGINEER:
? ENGINEER:
?
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MODEL #?

☒ Emissions

☐ Immunity/Destortion

☐ Safety

☐


☐

☐

☐ Back One Menu (V. Regulatory/Reliability) ...

☐ Return to Main Menu

WE GET RESULTS



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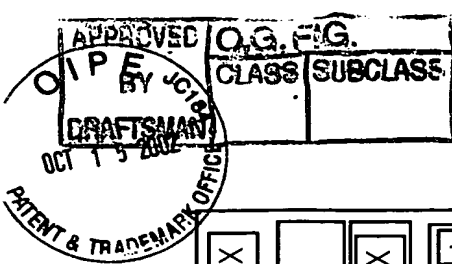
Form View

DATABASE REVISION A.01

FLTR

NUM

Figure 10A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

SAFETY

V. SAFETY

Notes:

UL Conditions of ACC

UL DB CSA NBTL

CO CERT

MEMKO

CBE Report

CSA QB C-UL

TUV BD VBE

CSD

Double Click to Open

Acrobat Document

Acrobat Document

Acrobat Document

Acrobat Document

Acrobat Document

Acrobat Document

Record

Form View

NUM

Figure 10B

Microsoft Access 00.01.06 VI. Reliability

File Edit View Insert Format Records Tools Window Help

00.01.06 VI. Reliability


DELL

DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☒ Proto
☐ DVT
☐ DVT 2
☐ Production
☐ Sustaining
☐ .
☐ Return to Main Menu


WE GET RESULTS

DELL CONFIDENTIAL

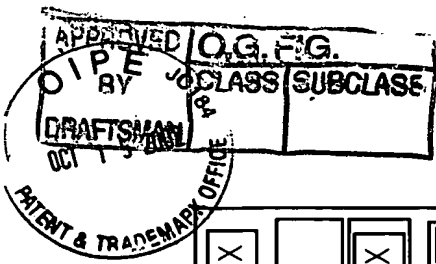
Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 11A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

RELIABILITY

Double Click to Open

Notes:

MTBF Worksheet

Halt/Strife

DMTBF Acrobat Document

Fan Speed

Reviews

1. Test Report Worksheet

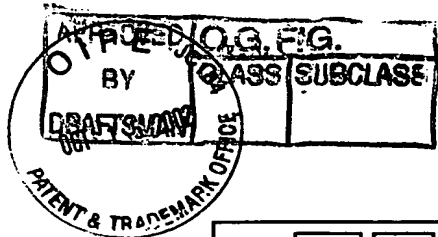
2. Test Report

Record

Form View

NUM


Figure 11B



Microsoft Access 00.01.07-08 VII System Test & VIII. Packaging

File Edit View Insert Format Records Tools Window Help

00.01.07-08 VII. SYSTEM TEST & VIII. PACKAGING




DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?

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MODEL #?

☐ VII. System Test
☒ VIII. Packaging
☐
☐
☐
☐
☐ Return to Main Menu



WE GET RESULTS

DELL CONFIDENTIAL

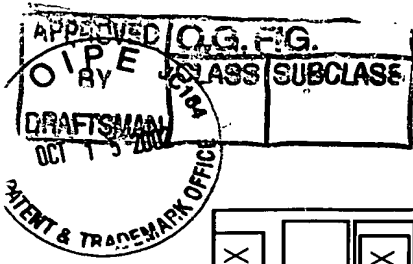
Form View

FLTR

NUM

DATABASE REVISION A.01

Figure 12A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

SYSTEM TEST TEST

VII. SYSTEM TEST

Double Click File To Open Notes:

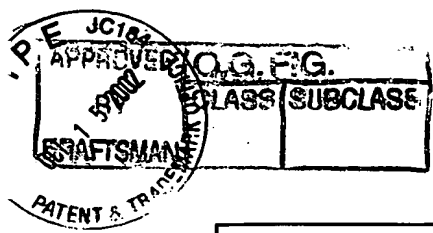
	Acoustics	Thermals	Functional	Shock_Vibration
PROTO				
DVT		Rhinoava.ds		
DVT2				

Record

Form View

NUM

Figure 12B



Microsoft Access 09.10.01 - 06 IX. DOCUMENTATION 01 - 06

File Edit View Insert Format Records Tools Window Help


09.10.01 - 06 IX. DOCUMENTATION 01 - 06

DELL

DELL PART #
DELL ENGINEER: ?
? ENGINEER: ?
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MODEL #?

☒ 1. EID
☐ 2. Circuit Description
☐ 3. Supplier Specification
☐ 4. Dell Specification
☐ 5. Schematic
☐ 6. Parts List and AVL
☐ Back One Menu (IX. Documentation) ...
☐ Return to Main Menu



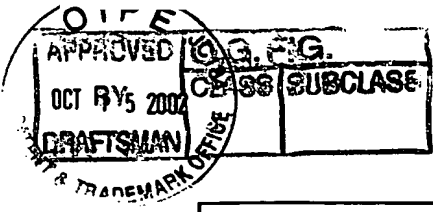
WE GET RESULTS

DATABASE REVISION A.01

Form View

FLTR NUM

Figure 13A



Microsoft Access

File Edit View Insert Format Records Tools Window Help

SCHEMATIC

IX. DOCUMENTATION: (SCHEMATIC)

Notes: Double Click to Open

PROTO	DVT	DVT 2	PDE Production 35	Production N01	Sustaining
Acrobat Document		Acrobat Document	Acrobat Document	Acrobat Document	

Record

Form View

Figure 13B